

BLUE ACTION for ALL Campaign 2024

From July 15 to mid-October, the MOL Group held the “BLUE ACTION for ALL Campaign,” in which the entire group worked together as one team to conduct various social contribution activities in Japan and overseas.

Starting with MOL's Car Carrier Tour event on July 15, Japan's Marine Day holiday, more than 40 group companies in 15 countries and a total of more than 1,000 employees participated in the event, with activities ranging from cleanup efforts at beaches, rivers, and communities to environmental conservation programs, educational events for the next generation, and community food drives.

Participating employees commented, “The cleanup activities strengthened my awareness of environmental conservation” and “Participating with the local community really made me feel like I was contributing to society.”

During the campaign, an online event called “Thinking about Social Contribution” was held for MOL Group company executives and employees, providing an opportunity to rediscover the significance of the group's social contributions.

The MOL Group named our social contribution “BLUE ACTION for ALL,” reflecting the “BLUE ACTION MOL” initiative, which aims to realize a sustainable society, and combining it with “ALL” to express the group's commitment to respect all environments and life on Earth and to promote activities that contribute to society through concerted group-wide efforts.

The MOL Group, which develops various social infrastructure businesses centered on the shipping business, has set “Marine Environment,” “Next-Generation Human Resources Development,” and “Addressing Local Community Challenges” as priority areas for its social contribution activities, and will continue to work together as a group to engage in activities that address various issues facing society.

MOL Car Carrier Tour



On July 15, Japan's “Marine Day” holiday, we held a tour of the car carrier *Turquoise ACE* at the Tokyo International Cruise Terminal, with more than 200 MOL Group executives and employees pitching in to run the event. More than 500 visitors—elementary and junior high school students and their parents—toured the ship, and the navigators and engineers explained about the vessel and their jobs. At the terminal, participants saw and experienced a ship-

handling simulator and an interactive drawing of a ship painted by the participants themselves moving around on the monitor, got to try on seafarers' uniforms, and enjoyed an exhibition of a Wind Challenger model. All in all, it created a wonderful opportunity for many visitors to learn about the shipping industry. ■

Marine Education Event at Oarai Ferry Terminal



On July 19, we held the second Marine Education Event at Oarai Ferry Terminal in Ibaraki Prefecture, in cooperation with INNOQUA Inc. We held dialog sessions and marine education programs on seaweed bed restoration to educate local residents and children about the ocean. We expect to expand awareness of the Sunflower brand and attract more visitors by continuing to hold such events in Oarai, a Sunflower port of call. We will continue to collaborate with the town of Oarai to sustainably promote activities to protect the ocean. ■

The *Giant Step* Sinking Memorial Beach Cleanup at Kashima-nada Beach

On October 17, 196 MOL Group executives and employees cleaned up Hikawahama Beach on the Kashima Sea coast in Ibaraki Prefecture. The objective of this activity is to maintain the memories



and lessons from the serious marine accident on October 6, 2006, when the large iron ore carrier *Giant Step* ran aground and sank in the Kashima Sea, leaving 10 crewmembers deceased or missing. This accident underscores the need to foster a culture of safety that prevents accidents from occurring. ■

MOL Nagoya Branch Marine Plastic Waste Survey

In cooperation with the NPO Team Kujira-go, we held a marine plastic waste survey event at the Fujimae tidelands (a wetland registered under the Ramsar Convention) in Nagoya City. Participants collected marine plastic waste and other debris and learned about environmental issues through experiments on the specific gravity of marine plastic waste, microscopic observation, and lectures by experts, and presented the results of their experiments and their impressions throughout the event. Participants commented that the event gave them an opportunity to think about plastic waste and learn about the importance of preserving the marine environment. ■



MOL Kyushu Branch Green Shipping, Ltd. MOL Techno-Trade, Ltd. Lecture on ‘The Future of Offshore Wind Power and Decarbonization’ aboard the Hydrogen Fuel Cell Ship *Hanaria*



On November 3, a group of young Fukuoka Prefecture residents aged 12 to 18 were invited to learn about offshore wind power and the future of a decarbonized society, on board the *Hanaria*, a ship powered by hydrogen and biodiesel fuel, berthed at Moji Port, hosted by the

MOL Kyushu Branch and supported by Kitakyushu City. Prof. Yoshiaki Ushifusa of the University of Kitakyushu conducted a seminar, aiming to contribute to raising the environmental awareness of the future generation of the region as citizens/workers by thinking with students about offshore wind power generation, which contributes to the decarbonization of the Kyushu region. A wind power generation facility is under construction off Hibikinada, Kitakyushu. MOL Techno-Trade and Green Shipping also participated in the event as operational support, creating an opportunity for participants to learn more about the MOL Group and the shipping industry, which contributes to people's lives behind the scenes. At the same time, participants had the opportunity to board the *Hanaria*, a hydrogen-fueled ship of the future, and learn more about the ship. ■

MOL Group MOL Ocean Expert Co., Ltd. Participation in Community Cleanup Event



In July and September, employees participated in the “Shiba Clean Campaign” to contribute to the local community in Minato Ward, Tokyo, where the company's offices are located. Eight employees participated in the campaign, which also served as an opportunity to build friendships with other organizations. Participants were refreshed by the trash collection and the beautification of the community, and after the event, a review meeting was held among participating employees, which contributed to communication among employees. ■

SHOSEN KOUN CO., LTD. Tour of Kobe International Container Terminal (KICT) for Elementary and Junior High School Students

On July 29, elementary and junior high school students from Kobe City, along with their families, were invited to tour the Kobe International Container Terminal (KICT) as part of the “Kobe Port Backyard



Tour” organized by the city. After a brief explanation about the terminal on the roof of the terminal office, which overlooks KICT, a bus took them on a tour of the container terminal. The objective of the tour is a realistic job experience program in cooperation with companies active in Kobe, intended to convey the attractiveness and importance of logistics, which is difficult to recognize in everyday life, and to nurture the zest for life in the children who will be the future of Kobe. At the same time, we believe this program will encourage interest in working at the port and contribute to the prosperity of the Port of Kobe. The children voiced their amazement at the size of the gantry cranes, the sheer number of containers, and the variety of colors. ■

MOL ACE Transport Co., Ltd. Nissan Motor Car Carrier Co., Ltd. Participation in Community Cleanup Event



Fourteen employees and family members of MOL ACE Transport and Nissan Motor Car Carrier participated in the “Tokyo Bay Cleanup Tactics,” and picked up trash at Odaiba Kaihin Park. The event is held three times a year under the slogan “Make Tokyo Port a beach where you can swim and walk around in your underwear!” and this year's cleanup drew 832 people. The participants have increased their awareness of keeping the ocean clean through collaboration with other organizations. We plan to participate again next year. ■

**Chugoku Shipping Agencies Ltd.
MOL Hiroshima Branch
Miyajima Tsutsumigaura Beach
Cleanup**



Eleven employees participated in a cleanup event held on October 14 as part of the activities Hiroshima Prefecture's Green Sea Setouchi Hiroshima Platform, which aims to reduce plastic waste discharged into the Seto Inland Sea to zero by 2050. The event was attended by 200 people, and 315 kg of trash was collected in about one hour of cleanup time. The participants raised awareness of environmental issues through cleanup activities and reaffirmed the importance of teamwork by working closely with participants from other organizations. ■

**Nissan Motor Car Carrier Co., Ltd.
Environmental Awareness Activities
Such as In-house Cultivation of Oak
Trees from Acorns, Installation of
Recycling Bins**



We introduced recyclable cups for in-house beverages and set up recycling bins to foster environmental awareness among employees. We have also started a new project: in-house cultivation of oak trees from acorns. Seedlings are cultivated for two years and then the saplings are planted as part of the company's initiatives to create a lush, green forest. We aim to raise employee awareness among all employees and encourage them to think about environmental issues and act on them as their own through these activities. ■

**M.O. Tourist Co., Ltd.
Participation in Food Drive**

All employees participated to collect donations to a food drive in Sumida Ward Tokyo, where the company is located. In



addition, used clothes, shoes, stuffed animals, and so on were donated to "Iikoto Shop," an organization that collects unwanted items. We conducted this activity to contribute to the local community and to instill in our employees the awareness that they can participate in social contribution activities, even in a small way, through the experience of donating items from their homes. ■

**Green Shipping, Ltd.
Donation of J-League Game Tickets
to Social Welfare Facilities**



Green Shipping, Ltd. donated game tickets for the professional soccer team Giravanz Kitakyushu, which it sponsors, to the Kitakyushu City Council of Social Welfare, a private welfare organization. These tickets are distributed to single-parent families through the Kitakyushu City Mother and Child Widows Welfare Association. Through this activity, we helped raise awareness of the local soccer team, stabilize the lives of mothers, fathers, and children, and promoting the welfare of children. ■

**Shosen Koun Co., Ltd.
MOL Sunflower Ltd.
MOL Kansai Branch
Suma Beach Cleanup**

On October 5, we held a beach cleanup as one of the events of the Japan Beach Games Suma 2024 at Suma Beach. Seventeen people from three MOL Group companies participated. Although the sun was shining and the temperature was high, the cleanup activities on the beach with the sea breeze

made for a refreshing time. A total of 17 bags of trash were collected after the activity. Through this beach cleanup, we raised awareness of marine environmental conservation activities. ■



**Mitsui O.S.K. Kosan Co., Ltd.
Planning and Preparation of Menus
Featuring Underutilized Species of
Fish in the Company Cafeteria**



In collaboration with Umi no Machizukuri Company and Yamaguchi Prefecture Fisheries Cooperative, we aimed to combat global warming and improve coastal environments by reducing the population of the harmful fish called black sea bream (*chinu*), which devastates carbon-dioxide-absorbing seaweed. From October 17, 2024, for approximately one month, we offered a limited menu in our employee cafeteria for this purpose. Additionally, a portion of the proceeds from this menu was donated to support school meal programs in developing countries, a project known as Table for Two (TFT). ■

**Nihon Tug-boat Co., Ltd.
Participation in a Joint 6-corporation
Demonstration of Marine Debris
Collection at Sea**

On September 14, along with the NPO Clean Ocean Ensemble, Uchinomi Fishery Cooperative Association, Kagawa University Marine Litter Team, Futaba Ship Grocery Store, and cubic-rt, we conducted a demonstration test of marine litter collection in the East Sea area of Shodoshima, Kagawa Prefecture. We successfully kicked off the cross-disciplinary collaboration



after informing all parties concerned of the weather and safety considerations. During the experiment, vessels arranged by MOL were on alert in the neighboring waters.

This demonstration test marked the first attempt to jointly address the marine litter problem by leveraging the strengths and knowledge of each industry and business category. We believe that cross-disciplinary collaboration is important to find solutions to environmental issues, which are major social challenges.

This success is a big step forward, and we will continue to challenge ourselves to use the knowledge gained, strengthen our partnerships, and work with colleagues in various fields to create an even greater impact. ■

East Asia

**MOL (Korea) Co., Ltd.
Invasive Plant Removal at Amsa
Ecological Park**



On September 25, MOL (Korea) employees participated in an invasive species removal activity at Amsa Ecological Park, located upstream of the Han River, as part of the "BLUE ACTION for ALL Campaign." The Han River (494.4 km) is historically, geographically, and environmentally significant to Korea. It provides drinking water to over 25 million residents in the Seoul metropolitan area and serves as a habitat for various plant and animal species, including endangered ones like the Leopard Cat and Reeves' Turtle.

Participants learned about the ecological value of the Han River and the importance of removing invasive species from an environmental protector at the

park. We then focused on eliminating invasive plants such as Asiatic tearthumb and bur cucumber, which threaten the park's ecosystem.

These efforts contribute to ecological balance and are expected to contribute positively to restoring the park's natural environment and improving water quality in the Han River.

MOL (Korea) employees will continue to keep the significance of the "BLUE ACTION for ALL Campaign" close to heart and are committed to working with the local community to protect and preserve the natural environment. ■

**MOL (China) Co., Ltd. (Guangzhou
Branch)
Shanghai Huajia Int'l Freight Forwarding
Co., Ltd. (Guangzhou Branch)
Participation in Cleanup Event in
Guangzhou Mangrove Park**



**Shanghai Huajia Int'l Freight Forwarding
Co., Ltd. (Shenzhen Branch, Guangzhou
Branch)
MOL (China) Co., Ltd. (Shanghai,
Guangzhou Branch)
Cleanup and Study in Shenzhen
Futian Mangrove Ecological Park**



**MOL (China) Co., Ltd. (Shanghai Branch)
Shanghai Huajia Int'l Freight Forwarding
Co., Ltd.
MOL Consolidation Service Ltd.
Shanghai Binjiang Forest Park
Cleanup**

"We stand here as ONE"

In response to the MOL Blue Action initiative, three environmental cleanup

activities which spearheaded by MOL China and supported by MLG China and MSC China in September.

On September 7, the first environmental protection activity was held in Guangzhou, with MOL GZ and MLG GZ staff and families participating. It was a cleanup activity organized by local mangrove volunteers in Guangzhou. We had two young members, two girls aged 4 and 11 years old, they didn't get upset even when their beautiful clothes and nice shoes were soiled with dust and mud; on the contrary, they worked very hard and eagerly. It illustrated a profound acceptance of the ethos of "protecting nature" among the young generation.

On September 29, two environmental activities were held in Shanghai and Shenzhen at the same time. A total of 63 employees from five offices participated.

Through these activities, we learned about mangroves and their importance to nature. Above all, we truly realize the harm caused by marine debris to the environment, so that "Protect the environment" was turned from a slogan into an action in our daily life. It also illustrated our shared values and determination to address pressing environmental concerns, fostering camaraderie among colleagues and instilling a sense of responsibility toward our planet. Even if we live in a forest of buildings lined with reinforced concrete, we can all do our part for nature, for example, reducing our daily use of disposable plastic supplies.

In these joint Blue Action activities, we stand here as "ONE," not only showcasing our unity but also reflecting MOL's commitment to global sustainability efforts. Finally, I would like to use the oath from our Shanghai activity as an ending: Let us race against time and jointly protect the cradle of life. ■



MOL Hong Kong Ltd.
MOL Consolidation Service Ltd.
MOL FSRU Terminal (Hong Kong) Limited
MOL Information Technology Asia Ltd.
MOL Logistics (H.K.) Ltd.

Embracing Nature through Grass Cutting for Biodiversity in Mai Po



On October 19, as part of MOL's "BLUE ACTION" sustainability initiative, MOL Hong Kong colleagues from various nationalities and group companies volunteered at Mai Po, Yuen Long, Hong Kong. The event, organized by the World Wide Fund (WWF), involved maintaining wildlife habitats and protecting biodiversity by cutting overgrown grass and exotic plants. Despite the extreme heat, the team worked diligently, their efforts resulting in trolleys of grass for animal feed and the removal of potentially harmful exotic plants. This hands-on experience reinforced our commitment to sustainability and biodiversity, embodying our belief that action speaks louder than words. Even small acts can create significant ripples, and we're proud to put our "BLUE ACTION" into practice. ■

Southeast Asia

MOL (Asia Oceania) Pte. Ltd.
MOL Treasury Management Pte. Ltd.
MOL Logistics (Singapore) Pte. Ltd.
MOL Energia Pte. Ltd.
MOL LNG Ship Management Pte. Ltd.
MOL Tankship Management Pte. Ltd.
MOL Chemical Tankers Pte. Ltd.
UTOC Engineering Pte Ltd
M.O. Tourist (Singapore) Pte. Ltd.
MOL Cape (Singapore) Pte. Ltd.
MOL Techno-Trade Asia Pte. Ltd.

Supporting Activities for Greening the Community

On October 14, MOL Group companies in Singapore held the "Blue Action for All Campaign" 2024, a corporate social responsibility initiative. This half-day event involved hands-on gardening activities, including building wheelchair-friendly



planters, enhancing accessibility for those with limited mobility. Participants also created and donated growing kits to charity, promoting a culture of giving back. This event not only fostered teamwork and employee satisfaction within the MOL Group but also contributed positively to society. ■

MOL (Asia Oceania) Pte. Ltd.
MOL Ship Management (Singapore) Pte. Ltd.

Company Tours for High School Students



A total of 27 second-year students from Senior High School visited the MOL office in Singapore twice in October. Representatives from MOL (Asia Oceania) Pte. Ltd./MOL Ship Management (Singapore) Pte. Ltd. gave a brief overview of the companies and the shipping industry, followed by a Q&A session and an in-house tour. This activity contributed to giving students a positive image of MOL, the shipping industry, and the possibility of working abroad in the future. ■

MOL Enterprise (Philippines) Inc.
Magsaysay MOL Marine Inc.
MOL Magsaysay Maritime Academy

Participation in Coastal Cleanup Event at Baseco Beach



On September 21, MOL Enterprise (Philippines) Inc., Magsaysay MOL Marine

(MMM), cadets from MOL Magsaysay Maritime Academy (MMMA), and 15,000 other volunteers joined a coastal clean-up at Baseco Beach, Manila.

For more details, please refer to Global Coverage (page21). ■

MOL Shipping (Vietnam) Company Ltd.
MOL Consolidation Service (Vietnam) Co., Ltd.

Pitching in to Help with Garbage Collection Event at Saigon Zoo



MOL Shipping (Vietnam) Company Ltd.
Phu Quoc Island Beach Cleanup



In Vietnam, we conducted activities at the following two locations.

On August 17, 10 members joined garbage collection activities held by the Japanese Chamber of Commerce and Industry (JCCH) in Ho Chi Minh City. We collected the garbage and trash in the Saigon Zoo (Botanical Garden).

On August 26, all members joined a beach cleanup on Phu Quoc Island, collecting trash along the coast. Following the MOL Vision and targets of BLUE ACTION 2035, we want to contribute even in a small way to protecting our environment. In the end, we collected five big bags, about 10 kg of garbage.

We expect the following benefits from such efforts:

- Long-term environmental benefits: Continued efforts in garbage collection and waste management are expected to contribute significantly to reducing our environmental footprint. Over



time, we aim to incorporate more sustainable practices, such as increasing recycling efforts and minimizing waste generation.

- Enhanced corporate social responsibility (CSR): As we scale up these activities, we expect greater engagement with the broader community. This could include organizing collaborative cleanup events or participating in larger environmental initiatives, further enhancing our CSR profile.
- Cultural shift towards sustainability: Internally, we expect to see a cultural shift toward sustainability as employees and management integrate eco-friendly practices into everyday operations, making waste reduction a core aspect of our corporate culture. ■

MOL Shipping (Thailand) Co., Ltd.
Beach Cleanup and Mangrove Planting at Sattahip



Under our mission "From the blue oceans, we sustain people's lives and ensure a prosperous future," we aim to foster a bond with nature through CSR activities, emphasizing biodiversity protection.

The activity took place on September 20 at Naphatharaphirom Beach, near the Navy's Sea Turtle Conservation Center and the Thai Marine Restoration Learning Center at Sattahip, Chonburi. The center has nursery ponds for sea turtles from birth right up until they are ready to return to the ocean and also recovery ponds for taking care of sick or injured sea turtles until they are well enough to be released back into the sea.

We learned about the importance of sea turtles in maintaining marine biodiversity, the turtles' life cycle and the decline in turtle population due to environmental

degradation and plastic waste. They also came to understand the impact of marine waste on sea turtles and other marine animals. Next, we cleaned

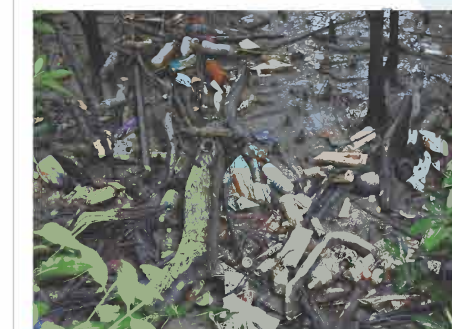


up the beach to eliminate trash such as plastic bags, rope, fishing nets, packaging and plastic straws to preserve the marine environment, and planted mangroves to maintain the ecosystems, working together to cultivate pathways to reduce CO₂ and global warming. ■

MOL Logistics (Malaysia) Sdn. Bhd.
Riverbank, Mangrove Education and Cleanup



On October 19, our CSR program focused on riverbank cleanup, as our company aligned this with our shipping and logistics business. The goal was to protect river ecosystems, which are crucial for our operations. Clean rivers translate to better routes, fewer delays, and fewer environmental hazards, benefiting both the company and the community. Recognizing the importance of waterways and the impact of pollution on their efficiency and health, we made a commitment to reduce waste, improve water quality, and support biodiversity. We also planned the cleanup program, and waste management at river ports was implemented, including the establishment of recycling stations and proper waste disposal units. Collaboration with local communities helped reduce industrial waste. Public awareness campaigns were conducted, and employee participation in cleanups was encouraged, fostering team building and demonstrating a commitment to sustainability. Workshops on environmental stewardship were also held. This program enhances the company's image as a responsible industry leader. ■



PT MOL Indonesia
Mangrove Conservation Activities



PT MOL Indonesia celebrated the International Day for the Conservation of the Mangrove Ecosystem early on July 19, 2024, with a conservation trip. A total of 23 employees participated in the event at Harapan Island, Jakarta. Activities included discussions about the Earth's condition, learning to plant mangrove propagules, and planting them in the sea. The team planted 526 mangroves, which will sequester 17,358 kg of CO₂ over the next 20 years, contributing to biodiversity and protecting the coastal ecosystem. ■



Europe / Africa

MOL (Europe Africa) Ltd.
Helping out at Community Farm



On September 11, MOL Group companies in London had a volunteer day at Mudchute Park and Farm, which is a community-based charity farm located in East London. We spent a day working at various tasks on the farm such as weeding, cleaning the animal shed, making new flower beds, painting and installing new fences. The work was hard, but it turned out to be a very rewarding day for everybody who participated. ■

**MOL (Europe Africa) Ltd.
MOL Tankship Management Pte. Ltd.
Volunteering at Prince Philip Maritime
Collections Centre (in the Royal
Museum of Greenwich)**



On September 19, MOL Group companies in London had a volunteer day at Prince Philip Maritime Collection Center (PPMCC), which is a part of Royal Museums Greenwich. Participants took part in gilding the panels that are to be used for the ceiling of the study room for students and also had an opportunity to learn about collection stored at PPMCC. Gilding was a new learning experience for the participants, and they all enjoyed the whole experience and the opportunity to serve the local community at PPMCC. ■

**MOL (Europe Africa) Ltd. Germany
Branch
Conservation Activities on the Elbe
River**



On October 15, the MOLEA Hamburg staff took the Blue Action for ALL Day to engage in a hands-on activity along the banks of the River Elbe. Our dual purpose—environmental responsibility and raising awareness—was seamlessly woven into our efforts. Guided by an insightful introduction to the river's history and ongoing restoration initiatives, we removed invasive plants, including their roots. The area had been recultivated only a few years prior and can serve as a valuable habitat for endemic plants. Our collaboration with the Stiftung Lebensraum Elbe at the "Bunthaeuser Spitze" served as a good example to contribute to the local ecosystem. ■

**MOL (Mauritius) Ltd
Mangrove Conservation Workshop**



On October 25, MOL (Mauritius) Ltd. supported the second Mangrove Workshop "SOS Mangrove: Strategies for Restoration and Conservation." It was the first time for MOL (Mauritius) to invite various stakeholders who are engaged in restoration and conservation of the coastal ecosystem to a workshop in Mauritius to share information and generate various collaborative efforts among different field stakeholders. It was also an important first step that participants reached an agreement to set up the "Mangrove Ecosystem Platform for Restoration & Conservation" in Mauritius. ■

Americas

**MOL (Americas) LLC (Long Beach, New
Jersey Branch)
MOL (Brasil) Ltda. (Rio de Janeiro, Sao
Paulo Branch)**

Participation in Food Drive



In October, members of our Americas Region Environment & Sustainability team, driven by the mission of "Charting Our Course to a Sustainable Future," organized food and clothing drives in the U.S. in our Long Beach and New Jersey offices, and across Brazil locations in Sao Paulo and Rio de Janeiro. With enthusiastic participation from staff and the support of building management, donations grew steadily, allowing us to make a meaningful impact on each community.

The Long Beach effort collected non-perishable food items, which they personally delivered on October 21 to

the "Help Me Help You" food pantry. In Woodbridge, New Jersey, members led a drive that gathered food and clothing items for the Community Food Bank of New Jersey and its partner organizations.

In Brazil, the Sao Paulo team's collection, which was donated to the Brazilian Red Cross, and Fernanda Araujo spearheaded the Rio de Janeiro drive, donating items to the Children's Institute. Through these efforts, our Environment & Sustainability Team exemplified our commitment to social responsibility, strengthening our ties to our local communities and demonstrating the positive impact of working together toward a sustainable future. ■



**MOL (Americas) LLC
Supporting an Educational
Program for High School Students
at the Massachusetts Institute of
Technology**



We sponsored the Beaver Works Summer Institute (BWSI), a STEM education program for high school students, held on August 3 at the Massachusetts Institute of Technology (MIT). On the same day, one of BWSI's main events, the final race of the Autonomous RACECAR Grand Prix (the World Competition) was held at MIT. On July 30, just before the World Competition, MOL Chief Technology Officer Koichi Kawanaka gave a presentation at the MITBWSI Seminar Series. Kawanaka lectured to about 400 students, including 150 participants in person and another 240 online, on MOL's initiatives to protect the environment, including the Wind Challenger (hard sail wind assisted ship propulsion system) technology, based on more than 140 years of accumulated maritime shipping knowledge. ■